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L 22517-65

ACCESSION NR: AR4039972

S/0299/64/000/009/M015/M015

SOURCE: Ref. zh. Biol. Sv. t., Abs. 9M90

AUTHOR: Rakov, A. A.

TITLE: Bone marrow transplantation as a method of eliminating incompatibility in experimental skin homotransplantation ✓

CITED SOURCE: Sb. 3 Vses. konferentsiya po peresadke tkanej i organov, 1963, Yerevan, 1963, 229-230

TOPIC TAGS: dog, rabbit, transplantation, homotransplantation, bone marrow, skin.

TRANSLATION: Experiments were conducted on 90 animals, dogs and rabbits. Bone marrow cells taken from adult donors were administered intra-osseously to newborn animals to produce tolerance for skin transplants taken from the same donors. The animals were divided into 2 groups. The 1st group consisted of 24 newborn pups. Almost all skin transplants were sloughed off on the 12th day following transplantation. In individual cases, skin transplants remained up

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ACCESSION NR: ARI4039972

to 20 days. Skin transplants of control animals were also sloughed off on the 12th day. The 2nd group consisted of 46 newborn rabbits. Skin transplants which were transplanted 1 month following birth and bone marrow transplantation were sloughed off after 30 days, and in some cases later. In control animals skin transplants died after 5-6 days. Permanent tolerance was not obtained in either series, only a definite prolongation of skin transplant life.

SUB CODE: LS

ENCL: 00

Card 2/2

L 49558-65 ENG(j)/ENG(r)/ENG(l)/FS(y)-3/ENG(v)/ENG(a)-2/ENG(c) Pg.5 DD
ACCESSION NR: AR5011807 UR/0299/65/000/008/M025/M025

SOURCE: Ref. zh. Biologiya. Svodnyy tom, Abs. 8M169

AUTHOR: Rakov, A. A.

TITLE: Laboratory evaluation of the quality of artificial blood vessels

CITED SOURCE: Sb. nauchn. tr. Leningr. n.-i. in-t perelivaniya krovi, vyp. 14, 1963, 524-528

TOPIC TAGS: plastic surgery, blood vessel, prosthesis

TRANSLATION: Comparison of the microstructure of the walls of vascular prostheses is an effective method of testing their quality. The microstructure of the walls of such prostheses can be improved by altering the technology involved in producing them and by additional chemical processing. N. S.

SUB. CODE: LS

ENCL: 00

Card 1/1

KASATKIN, Ye. V.; RAKOV, A.A.

"Kinetics and Mechanism of the Low-Temperature Electrochemical Oxidation at High Anodic Potentials."

Report presented at the 11th meeting CITCE, Intl. Comm. of
Electrochemical Thermodynamics and Kinetics, Moscow, 19-25
Aug 63.

The University, Leningrad, U.S.S.R.

RAKOV, Andrey Andreyevich

[Wages on collective farms] Denezhnaisa oplata truda v kolkhozakh.
Minsk, Izd-vo Akad.sel'khoz.nauk BSSR, 1959. 63 p.

(Wages)

(Collective farms)

(MIRA 13:11)

RAKOV, A.F. (Berdyansk)

Design of parallel beams on an elastic foundation. Prikl. mat. i
mekh. 26 no.3:588-592 My-Je '62. (MIRA 16:5)
(Elasticity) (Strains and stresses)

Recd
RAKOV, A. F., CAND PHYS-MATH SCI, "COMPUTATION OF A
SYSTEM OF ENDLESS BEAMS ON AN ELASTIC FOUNDATION." DNEP-
ROPETROVSK, 1961. (MIN OF HIGHER ED UKSSR. DNEPROPETROVSK
STATE UNIV IMENI 300TH ANNIVERSARY OF THE REUNIFICATION OF *U*
UKRAINE AND RUSSIA). (KL-DV, 11-61, 209).

-20-

RAKOV, A.F. [Rakov, A.Kh.]

Calculation for two parallel infinite beams on an elastic base.
Dop.AN URSR no.4:459-463 '61. (MIRA 14:6)

1. Berdyanskiy pedagogicheskiy institut. Predstavлено академиком
АН USSR G. N. Savinym.
(Girders)

RAKOV, A.F.[Rakov, A.Kh.]; RVACHEV, V.L.[Rvachov, V.L.]

Contact problem in the theory of elasticity for a semispace with a modulus of elasticity which is a power function of the depth.
Dop.AN URSR no.3:286-290 '61.

(MIRA 14:3)

1. Berdyanskiy gosudarstvennyy pedagogicheskiy institut. Predsatvleno akademikom AN USSR G.N.Savinykh[Savin, H.M.].
(Elasticity)

KUSMARTSEV, Vasiliy Sergeyevich; OBRAZTSOV, V.A., retsenzent; RAKOV,
A.F., retsenzent; ZHERZEKOV, I.V., red.; ABRAMOVA, Ye.A.,
tekhn.red.

[Automatic control of production processes] Avtomatika pro-
izvodstvennykh protsessov. Rostov-na-Donu, Rostovskoe
knizhnoe izd-vo, 1960. 95 p. (MIRA 14:2)
(Automatic control)

RAKOV, A.F.

Improvement in the technology for filling ampules with injection
preparations at the Tallinn Chemicopharmaceutical Factory. Med.
prom. 16 no.6:34-37 Jl '62. (MIRA 15:12)
(TALLINN--PHARMACY--EQUIPMENT AND SUPPLIES)

RAKOV, A. I.

Rakov, A. I. - "A report of the Oncologists' Meeting", (Leningrad, October 1948), Sov. vracheb. sbornik, Issue 13, 1949, p. 39-40.

SO: U-4329, 19 August 53, (Letopis 'Zhurnal 'nykh Statey, No. 21, 1949).

Rakov, A. I.

Rakov, A. I. "On the results of treating patients with metastasis of cancer of the lower lip"; Trudy Akad. med. nauk SSSR, Vol. 4, 1953, p. 77-87.

SO: U-411, 17 July 1953, (Letopis 'Zhurnal 'nykh Stat., no. 20, 1953)

1964 Clinical Evaluation of Methods of Treatment of Carcinoma of the Lower Lip. A. I. Rakov. Khirurgiya No. 2, 23-47(1964) Feb.(in Russian).

Of 400 cases treated at the Institute of Oncology in Leningrad from 1937-1949, 210 cases received x-ray treatment. Formerly, massive doses were used for the primary lesion, but in recent years a fractionated method was found superior and was generally employed, resistance to x-ray therapy was found in 10 to 15%. Radium therapy was used in 19 cases; distant irradiation was abandoned in favor of implantation of radium needles and 13 cases in which such treatment was used are reported cured. Operative treatment consisted in wedge resections in 8 early cases, and more radical rectangular excisions in the majority of cases; of a total of 32 operations, 27 produced cure. The author concludes that x-ray therapy should be given preference in the treatment of the first three stages of the disease, since it is easy, painless, and given the best cosmetic and functional results. For x-ray resistant cases implantation of radium needles is concluded to be the best hope of cure; operation should be reserved for cases resistant to irradiation.

ASH 304 METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R0013441

Rakov, A. I.

Rakov, A. I. "The clinical characteristics of malignant 'radioderm' casts' of the skeletal musculature", Izdat. Akad. med. nauk SSSR, Vol. 2, 1956, p. 116-120.

SO: 8-411, 17 July 1953, (Letopis 'Zhurnal 'nykh Statey', no. 20, 1949)

Rakov, A. I.

Rakov, A. I. "The dynamics of variability in patients in connection with cancer of the bladder", Trudy Akad. med. nauk SSSR, Vol. 1, 1956, p. 27-31.

SO: U-kil, 17 July 1953, (Letopis 'Zurnal 'nykh Statey, No. 20, 1959)

RAKOV, A. I.

Lips - Cancer

Cancer of the lower lip. Novosti med. no. 21, 1951.

9. Monthly List of Russian Accessions, Library of Congress, April 1951, Unclassified.
2

RAKOV, A. I.

Mammary Glands - Cancer

Cancer of the mammary gland. Novosti med. no. 21, 1951.

9. Monthly List of Russian Accessions, Library of Congress, April 1958. Unclassified.
2

RAKOV, A. I.

Role of N. N. Petrov in the development of surgery and oncology
in Russia. Vest.khir. Grekova, Leningr. 72 no.2:3-7 Mar-Apr 1952.
(CMLL 22:2)

1. Professor. 2. Leningrad.

RAKOV, A. I. Prof.

Surgery - Societies

Joint session of the Pirogov Surgical Society and the Leningrad Society of Surgeons and Orthopedists. Vest. khir. 72 no. 4, 1952.

MONTHLY List of Russian Accessions. Library of Congress. November, 1952. Unclassified

1. RAKOV, A.I. PROF.
2. USSR (600)
4. Surgery
7. Minutes of the sessions of the Pirogov Surgical Society. 1083rd session. March 12, 1952. Vest.khir. 72, no. 5, 1952
9. Monthly List of Russian Accessions, Library of Congress, February, 1953, Unclassified.

RAKOV, A.I., professor

Problems of clinical aspects and therapy of cancer of the esophagus.
Sovr.probl. onk. 6 no.9:3-9 '54. (MLRA 7:11)
(ESOPHAGUS--CANCER)

RAKOV, A. I.

RAKOV, A.I.; SHEMYAKINA, T.V.; OL'SHANSKII, A.S.

Functional and secretory changes in gastric polyposis. Klin. med.
32 no. 4:54-58 Ap '54. (MLRA 7:7)

1. Iz khirurgicheskoy kliniki Instituta onkologii AMN SSSR (dir. chlen-korrespondent AMN SSSR prof. A.I. Serebrov) i kafedry onkologii Gosudarstvennogo instituta usovershenstvovaniya vrachey (dir. prof. N.N. Mishuk)
(STOMACH, neoplasms,
*polypi, funct. & secretory changes in)
(POLYPI,
*stomach, funct. & secretory changes in)
(GASTRIC JUICE,
*secretion in gastric polypi)

RAKOV, A.I., professor

"Clinical aspects and therapy of malignant neoplasms." Vest.
khir. 74 no.3:94-96 Ap-May '54. (MIR 7:6)
(CANCER)

RAKOV, A.I., professor (Leningrad)

"Cancer; prophylaxis, diagnosis and treatment." V.I.Kazanskii.
Reviewed by A.I.Rakov. Khirurgiia no.8:80-81 Ag '54. (MLRA 7:11)
(CANCER) (KAZANSKII, V.I.)

RAKOV, A. I., professor (adres: Leningrad, 22, Bol'shoy pr., d. 102,
kv. 20)

Extent of surgical intervention in gastric cancer. Vest.khir.
74 no.3:35-42 Ap-May '54. (MLBA 7:6)

1. Iz Instituta onkologii AMN SSSR (dir.chl.-korr. AMN SSSR,
prof. A.I.Serebrov, nauchn. rukov. deystv. chl. AMN SSSR,
prof. N.N.Petrov)
(STOMACH, neoplasms,
*surg., extent of resection)

RAKOV, A.I., professor (Leningrad)

Pulmonary cancer. Med.sestra no.2:7-11 7 '55.

(MLRA 8:5)

(LUNGS, neoplasms)

RAKOV, A.I., professor

Surgical treatment of cancer of the lungs. Sovr.probl.onk.
7 no.5:3-9 '55 (MLRA 8:11)
(LUNGS--CANCER) (LUNGS--SURGERY)

RAKOV, A.I. (Leningrad, Petr. storona, bol'shoy prospekt, d. 102, kv. 20a.)

Experience in surgery for lung cancer [with summary in English].
Vop. onk., 2 no.6:693-699 '56 (MLRA 10:4)

1. Iz kafedry onkologii Gosudarstvennogo instituta usovershenstvovaniya
vrachey im. S.M. Kirova i II khirurgicheskogo otdeleniya (zav.-prof.
A.I. Rakov) Instituta onkologii AMN SSSR (dir.-chl.-korr. AMN SSSR
prof. A.I. Serebrov)
(LUNG NEOPLASMS, surg.
statist.)

LATMANIZOVA, L.V.; RAKOV, A.I.; IVANOV, G.G.; MEL'NIKOV, R.A.; MONOSOVA, F.Ye.

Physiological study of functional peculiarities of the human nervous system in cancer of the stomach. Biul.eksp.biol. i med. 41 no.3:
18-22 Mr '56. (MLRA 9:7)

1. Iz kafedry fiziologii i anatomii (zav.-prof. L.V.Latmanizova)
Pedagogicheskogo instituta, 2-go khirurgicheskogo otdeleniya
(zav.-prof. A.I.Rakov) i klinicheskoy laboratorii (zav. G.G.Ivanov)
Instituta onkologii AMN SSSR, Leningrad. Predstavlena deystvitel'nym
chlenom AMN SSSR N.N.Petrovym.

(STOMACH, neoplasms
electrocorticography in)

(ELECTROENCEPHALOGRAPHY, in various dis.
electrocorticography in cancer of stomach)

PETROV, N.N.; KHOLDIN, S.A.; RAKOV, A.I.; TOBILAEVICH, V.P.

Basic principles and results of radical surgical treatment of tumors
of the most frequent locations [with summary in English, p.151]
West.khir. 77 no.12:8-17 D '56. (MIRA 10:2)

1. Leningrad, 2-ya Berezovaya alleya, d.3, Institut onkologii
AMN SSSR.
(NEOPLASMS, surg.
statist. of common types of cancer)

RAKOV A.I.

USSR/General Problems of Pathology - Tumors

U-4

Abs Jour : Ref Zhur - Biol., No 7, 1958, No 32656

Author : Rakov A.I., Shemyckina T.V., Shchukareva N.K., Ivanov G.G.

Inst : Not Given

Title : Functional Characteristics of the Stomach During Tumorous
and Pre-tumorous Illnesses.

Orig Pub : Vopr. onkologii, 1957, 3, No 1, 42-49

Abstract : The secretory function of the stomach (SFS) was studied in 128 patients with cancer of the stomach (CS), in 28 patients with polyposis of the stomach (PS), in 28 with stomach ulcers and in 37 with gastritis. The determination of the digesting strength of the stomach juice, and of the content in it of chlorides permitted the judgement of the depth of the organic changes. During CS and PS, there were secondary and tertiary degrees of insufficiency of SFS, which contributed to atrophic changes of mucous membrane of the stomach. During ulcerous illness, there was observed no suppression of the

Card : 1/2

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RAKOV, A.I., professor; ISAKOVA, M.V.

Sixth plenum of the administration of the All-Union Society of
Surgeons; oncological problems. Vop.onk. 3 no.3:371-373 '57.
(ONCOLOGY) (MLRA 10:8)

RAKOV, A.I., prof. (Leningrad, P-22, Bol'shoy pr., d.102, kv. 20-a)

Some problems of lung cancer [with summary in English]. Vop.onk.
3 no.4:404-410 '57. (MIRA 10:11)

1. Iz Instituta onkologii AMN SSSR (dir. - deyatel'nyy chlen
AMN SSSR prof. A.I.Serebrov)
(LUNG NEOPLASMS,
(Rus))

BULGARIA/General Problems of Pathology - Tumors

U-4

Abs Jour : Ref Zhur - Biol., No 7, 1958, No 32674

Author : Rakov A.I.

Inst : Not Given

Title : Basic Principles and Results of Surgical Treatment of Cancer
of the Stomach.

Orig Pub : Khirurgiya (Bulg.) 1957, 10, No 6, 481-488

Abstract : No abstract

Card : 1/1

RAKOV, A.I., prof.

Work of the international committee on the clinical classification
and applied statistics of tumors. Vest. AMN SSSR 13 no.12:70-75
'58. (MIRA 12:1)

(NEOPLASMS
clin. classif. & applied statist.)

RAKOV, A.I., prof.; VAGIEH, R.I. (Leningrad)

Skin cancer and modern methods of treating it. Med.sestra
18 no.6:20-25 Je '59. (MIRA 12:8)
(SKIN--CANCER)

AKULOVA, A.P., prof.; ANTELAVA, N.V., prof.; AR'YEV, T.Ya., prof.;
BAIROV, G.A., prof.; VELIKONETSkiy, A.N., prof.; DANIY, A.V., prof. [deceased]; GILORYMOV, G.Ye., prof.; DOBROVOL'SKIY, V.K., prof.; DOLINA, O.A., kand. med. nauk; ZATSEPIN, T.S., prof.; KIRICHINSKIY, A.R., prof.; KOZLOVA, A.V., prof.; KOTOV, A.P., prof.; KRAKOVSKIY, N.I., prof.; KUZIN, M.I., prof.; L'VOV, A.N., prof. [deceased]; MITYUNIN, N.K., kand. med. nauk; MTAQELIDZE, Sh.I., prof., [deceased]; NOVACHENKO, N.P., prof., zasl. deyatel' nauki USSR; OSIPOV, B.K., prof.; PIKIN, K.I., prof.; POSTNIKOV, B.N., prof.; RAKOV, A.I., prof.; STRUCHKOV, V.I., zasl. deyatel' nauki RSFSR, prof.; FAYERMAN, I.L., prof. [deceased]; FILATOV, A.N., prof.; SENELEV, I.V., prof. [deceased]; PETROVSKIY, B.V., zasl. deyatel' nauki RSFSR, prof., otv. red.

[Multivolume manual on surgery] Mnogotomnoe rukovodstvo po khirurgii. Moskva, Meditsina. Vol.2. 1964. 771 p.

(MIRA 18:1)

1. Deystvitel'nyy chlen AIN SSSR (for Antelava, Petrovskiy).
2. Chlen-korrespondent AIN SSSR (for Bairov, Novachenko, Struchkov, Filatov).

RAKOV, A.I., prof.; CHERNOMORDIKOVA, M.F., kand. med. nauk

Proceedings of the 97th Conference of the Scientific Society
of Oncologists of Leningrad and Leningrad Province, April 8,
1965. Vop. onk. 11 no.12:103-105 '65. (MIRA 19:1)

1. Chlen-korrespondent AMN SSSR (for Rakov).

GLAZUNOV, M.F.; KUZ'MINA, Ye.M.; LAZAREVA, A.P.; LARIONOV, L.F.; PARSHIN, A.N.; PETROV, N.N., prof.; PETROV, Yu.V.; RAKOV, A.I.; SEREBROV, A.I.; KHOLDIN, S.A.; CHAKLIN, A.V.; SHABAD, L.M.; TULEVA, M.S., tekhn. red.

[Manual on general oncology; in summary form for medical students and physicians of all specialties] Rukovodstvo po obshchei onkologii; v kratkom izlozenii dlia studentov-medikov i vrachei vsekh spetsial'nostei. Leningrad, Gos. izd-vo med. lit-ry Medgiz Leningr. otd-nie, 1958. 366 p. (MIRA 14:7)
(ONCOLOGY)

RAKOV, A.I.

Principle of anatomical zonality and the margin of resection
in the removal of malignant tumors. Trudy Inst. onk. AMN
SSSR no.3:5-13 '60 (MIRA 16:12)

1. Iz II khirurgicheskogo otdeleniya (zav. - chlen-korrespondent AMN SSSR prof. A.I.Rakov) Instituta onkologii AMN SSSR.

RAKOV, A. I., prof.

Problem of control of malignant tumors in the current seven-year plan. [Trudy] GIDUV no.23:79-83 '60. (MIRA 15:7)

(CANCER)

RAKOV, A.I., prof.; KARPOV, N.A., prof.

International classification of laryngeal cancer. Zhur. ush., nos.
i gorl. bol. 20 no. 3:10-14 My-Je '60. (MIRA 14:4)

1. Chlen-korrespondent AMN SSSR (for Rakov).
(LARYNX—CANCER)

RAKOV, A.I.

System of international clinical classification of tumors and
classification of breast cancer; final project. Vop. onk. 6 no.5:
79-90 My '60. (MIFIA 14:3)
(TUMORS—CLASSIFICATION) (BREAST—CANCER)

BABCHIN, I.S., prof.; BABANOVA, A.G., doktor med. nauk; BLOKHIN, N.N., prof.; BONDARCHUK, A.V., prof.; GAL'PERIN, M.D., prof.; GOL'DSHTEYN, L.M., prof.[deceased]; DYMARSKIY, L.Yu., kand. med. nauk; KARPOV, N.A., prof.; KOYRO, M.A., nauchn. sotr.; LARIONOV, L.F., prof.; LITVINOVA, Ye.V., kand. med. nauk; MEL'NIKOV, R.A., kand. med. nauk; NECHAYEVA, I.D., doktor med. nauk; PETROV, Nikolay Nikolayevich, prof.; PETROV, Yu.V., kand. med.nauk; RAKOV, A.I., prof.; ROGOVENKO, S.S., kand. med. nauk; SENDUL'SKIY, I.Ya., prof.; SEREBROV, A.I., prof.; SMIRNOVA, I.N., kand. med. nauk; TAL'MAN, I.M., prof.; TOBILEVICH, V.P., prof.; TRUKHALEV, A.I., kand. med. nauk; KHOLDIN, Semen Abramovich, prof.; CHEKHKARINA, Ye.A., kand. med. nauk; CHECHULIN, A.S., kand. med. nauk; SHAAK, V.A., prof.[deceased]; SHANIN, A.P., prof.; SHAPIRO, I.N., prof.[deceased]; SHEMYAKINA, T.V., kand. med. nauk; SHERMAN, S.I., prof.; ABRAKOV, L.V., red.; LEBEDEVA, Z.V., tekhn. red.

[Malignant tumors] Zlokachestvennye opukholi; klinicheskoe rukovodstvo. Leningrad, Medgiz. Vol.3. Pts.1-2. 1962. (MIRA 16:5)

1. Deystvitel'nyy chlen Akademii meditsinskikh nauk SSSR (for Blokhin, Petrov, Serebrov). 2. Chlen-korrespondent Akademii meditsinskikh nauk SSSR (for Kholdin).

(CANCER)

RAKOV, A.I., prof.

Late results of surgical treatment in cancer of the stomach and factors determining them. Khirurgiia no.6:28-37 Je '61.
(MIRA 14:11)
1. Iz 2-y khirurgicheskoy kliniki (zav. chlen-korrespondent AMN
SSSR prof. A.I. Rakov) Instituta onkologii AN SSSR.
(STOMACH. CANCER)

RAKOV, A.I.

Characteristics of the surgical treatment of cancer of the rectum
in men. Trudy Inst.onk.AMN SSSR no.4:3-13 '62. (MIRA 15:9)
(RECTUM--CANCER)

RAKOV, A.I., prof.; NAPALKOV, N.P.

Minutes of the Scientific Society of Geologists of Leningrad and Leningrad Province for meeting No.75 on February 14, 1963. Vop. onk. 9 no.8:119-122 '63
(MIRA 17:4)

KHOLDIN, S.A., prof., ovt. red.; RAKOV, A.I., prof., red.;
LAZAREV, N.V., zasl. deyatel' nauki prof., red.;
TOBILLEVICH, V.P., prof., red.; NECHAYEVA, I.D., doktor
med. nauk, red., KAUFMAN, B.D., kand. med. nauk, red.;
SHABASHOVA, N.Ya., kand. med. nauk, red.; PETROV, A.N.,
red.

[Current problems of oncology; festschrift for the 70th
birthday and the 45th anniversary of the scientific and
civic activity of Member of the Academy of Medical Sci-
ences of the U.S.S.R. Professor Aleksandr Ivanovich
Serebrov, and consisting of papers by his students and
coworkers, as well as by distinguished scientists in the
field of cancer control] Sovremennye problemy onkologii;
sbornik posviashchen 70-letiu so dnia rozhdeniya i 45-
letiu nauchnoi i obshchestvennoi deiatel'nosti deistv.
chli. AMN SSSR professora Aleksandra Ivanovich Serebrova
i sostoit iz rabot ego uchenikov i sotrudnikov, a takzhe
vidnykh uchenykh - soratnikov po protivorakovoi bor'be.
Leningrad, Meditsina, 1965. 245 p. (MIRA 18:6)

1. Akademiya meditsinskikh nauk SSSR, Moscow. Institut onko-
logii. 2. Chlen-korrespondent AMN SSSR (for Kholdin, Rakov).

RAKOV, A.M., 1900; SUPPLYING SUGAR, R.F., Standardized
The 9th meeting of the Scientific Society of Confectionists of
Leningrad, and Leningrad region. Vop. chk. 31 no.4:118-120
165. (MIRA 18:8)

1. Calorie-concentrate, R.R. USSR (for Rakov).

L 08977-67 EWT(1) TG
ACC NR: AP6029847

AUTHOR: Rakov, A. I.

ORG: none

TITLE: Performance indices for evaluating reliability of radio-relay communications

SOURCE: Elektrosvyaz', no. 8, 1966, 75-77

TOPIC TAGS: radio relay, radio telephone, tv system, system reliability, circuit reliability

ABSTRACT: The reliability of a radio-relay communication system used to be evaluated on the basis of the system availability. This factor, however, does not accurately represent the system reliability because: (a) reliability comparisons of short and long lines are misleading and (b) many short service interruptions

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UDC: 621.3.019.3:621.396.43

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L 08977-67
ACC NR: AP6029847

(obnoxious to tv receivers) yield the same availability factor as one long interruption. Hence, the probability of no failure during communication session is suggested as a measure of reliability of a radio-relay system. This factor, however, cannot be used for comparing the reliabilities of two lines of substantially different lengths; a "translated" factor bringing any line to a standard 2500-km length eliminates this difficulty. Further, a "general reliability" factor is suggested which is a product of the availability and the above probability of no failure during the session. Orig. art. has: 2 figures, 6 formulas, and 2 tables.

O
SUB CODE: 17, 14 / SUBM DATE: 15Oct65 / ORIG REF: 002

CONF 1/2 nst

RAKOV, A.I.

Choice of channel frequencies for remote control and telemetry systems. Elektrosviaz' 19 no.10:74-75 O '65. (MRA 12:12)

1. Submitted Febr. 2, 1965.

RAKOV, A.I., prof.; DYMERSKIY, L.Yu., kand. med. nauk

Proceedings of the 88th Conference of the Scientific Society
of Oncologists of Leningrad and Leningrad Province, June 4, 1964.
(MIRA 18:6)
Vop. onk. 10 no.12;99-102 '64.

L 01131-66

EAT(d)/FSS-2

(A)

ACCESSION NR: AP5020277

UR/0111/65/000/008/0010/0011
621.396.43.019.3

20

18

B

AUTHOR: Rakov, A. I., Docent

44

TITLE: Operational reliability of radio relay communications cf, 44

SOURCE: Vestnik svyazi, no. 8, 1965, 10-11

TOPIC TAGS: radio relay, radio communication, system reliability, reliability engineering

ABSTRACT: The author examines the effectiveness of various measures which have been taken to improve the reliability of radio relay communications. Calculations show that 70-80% of the breakdowns in communications take place in stations, while only 20-30% of these breakdowns occur in the intervals between stations. The causes for breakdowns are divided into failure of radio equipment, disruption in power supply, poor organization of servicing, and errors made by technical personnel. It is found that 56% of the total duration of breakdowns at stations are due to power failure, while 14% are due to poor servicing. The main disadvantages in existing radio relay lines are discussed. Recommendations are made for improving reliability in radio relay communications by development and production of reliable electronic

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L 01131-66

ACCESSION NR: AP5020277

equipment, by improving the planning of radio relay lines, and by improving construction and operating practices.

ASSOCIATION: Kuybyshevskiy elektrotekhnicheskiy institut svyazi (Kuybyshev Electrical Engineering Institute of Communications)

SUBMITTED: 00

ENCL: 00

2
SUB CODE: EC

NO REF Sov: 000

OTHER: 000

Card 2/2 Df

"APPROVED FOR RELEASE: Tuesday, August 01, 2000

CIA-RDP86-00513R001344

RAKOV, A.I., inzh.

Calculation of the intervals of radio relay lines with
passive repeaters. Vest. sviazi 23 no.8:14-15 Ag '63.
(MIRA 16:11)

APPROVED FOR RELEASE: Tuesday, August 01, 2000

CIA-RDP86-00513R0013441

RAKOV, A. I., dots., kand. tekhn. nauk, red.; NAKHLOVSKAYA, T. N.,
red.

[Radioelectronics in the national economy of the U.S.S.R.]
Radioelektronika v narodnom khoziaistve SSSR; sbornik tru-
dov nauchno-tehnicheskikh konferentsii NTOR i E im. Popova.
Kuibyshev, Kuibyshevskii elektrotekhn. in-t sviazi, 1962.
(MIRA 16:11)
165 p.

1. Kafedra teoreticheskikh osnov radiotekhniki Kuibyshevskogo
elektrotekhnicheskogo instituta svyazi (for RAKOV).
(Radio) (Electronics)

RAKOV, A.I., kand.tekhn.nauk

Portable transmitter-receiver for communicating with locomotive
engineers. Avtom., telem. i sviaz' 5 no.11:29-32 N '61.
(MIRA 14:11)
(Railroads--Communication systems)

RAKOV, A.I., kand.tekhn.nauk; GULYAYEV, N.N., starshiy laborant

Device for locating sources of radio interference in the band
of the ZhR-4 apparatus. Avt., telem. i sviaz' 5 no.1:10-13 Ja '61.
(MIRA 14:3)

1. Tomskiy elekromekhanicheskiy institut inzhenerov shele-
znodorozhного transporta.
(Railroads--Communication systems) (Radio--Interference)

RAKOV, A. I. Cand Tech Sci -- (disc) "Characteristics in the
projection of Survey Vessels ". Mos, 1957. 15 p; 20 cm.
(Mos Technological Inst of the Fish Industry and Economy /im
A.I. Mikoyan). 150 copies. (KL, 23-57, 113)

-73-

RAKOV, A. I.: Master Tech Sci (diss) -- "Investigation of the high-frequency portion of the channel of an inductive system of railroad radio communications". Tomsk, 1958. 13 pp (Min Higher Educ USSR, Tomsk Polytech Inst im S. M. Kirov), 150 copies (EL, No 12, 1959, 129)

RAKOV, A.I., inzh.; GULYAYEV, N.N., inzh.

Instrument for locating sources of radio noise, Avtom. telem. i
sviaz' 3 no.5:22-25 My '59. (MIRA 12:8)
(Radio--Noise)

RAKOV, A.I., prepodavatel'

Selection of radio waves for railroad communications. Avtom.telem.
1 sviaz' 3 no.12:30 D '59. (MIREA 13:4)

1. Tomskiy elektromekhanicheskiy institut inzhenerov zheleznodorozh-
nogo transporta.
(Railroads--Communication systems)

RAKOV, A.I., inzh., prepodavatel'.

Antennas for locomotives in train radio communication. Avtom., telez. i
sviaz' no.12:14-16 D '57. (MIRA 10:12)

1. Tomskiy elektromekhanicheskiy institut inzhenerov zheleznyodorozhnogo
transporta.
(Railroads--Communication systems) (Radio--Antennas)

RAKOV, A.I., inzh.

Method of approximate analysis of wave processes in a bundle of wires occurring under the inductive system of train radio communications.
Trudy TEIIZHT 25:182-200 '58. (MIRA 13:10)

(Railroads--Communication systems)
(Radio--Interference)

RAKOV, A.I., inzh.

Effect of nonhomogeneities on the wave processes in a bundle of wires occurring in train radio communications. Trudy TELIZHT 25: 201-216 '58. (MIRA 13:10)

(Railroads--Communication systems)
(Radio--Interference)

RAKOV, A.I., inzh.

Action of the field of a wire bundle on the antenna of the radio communication system installed on the locomotive. Trudy TEIIZHT
25:217-228 '58. (MIRA 13:10)

(Radio--Antennas)
(Railroads--Communication systems)

ACCESSION NR: AP4000397

s/0294/63/001/001/0017/0023

AUTHORS: Khrustalev, S. A.; Kolchenogova, I. P.; Rakov, A. M.

TITLE: Spectral radiation coefficients for tantalum, molybdenum
and niobium

SOURCE: Teplofizika vysokikh temperatur, v. 1, no. 1, 1963, 17-23

TOPIC TAGS: temperature measurement, optical pyrometry, tantalum,
molybdenum, niobium, radiation, radiative heat transfer, high tem-
perature, radiation coefficient, radiation spectrum

ABSTRACT: The purpose of the investigation was to determine, for
purposes of optical pyrometry, the emission coefficients of the ma-
terials, which were determined for the effective wavelength 0.65
micron corresponding to the spectral region accommodated by the KS-
filter and the human eye. The radiation coefficients were deter-
mined over a wide range of temperatures for different surface condi-
tions of the investigated material. The average measurement accuracy
was 14.6% near 1000C and 5% near 2000C. The mean square deviation

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ACCESSION NR: AP4000397

of the experimental points from their averaging curves was 3.2, 6.2, and 6.1% for tantalum, molybdenum, and niobium, respectively, and is in good coordination with the maximum relative error. The orig. art. has: 4 figures and 2 tables.

ASSOCIATION: Energeticheskiy institut im. G. M. Krzhizhanovskogo
(Power Engineering Institute)

SUBMITTED: 17May63 DATE ACQ: 13Dec63 ENCL: 01

SUB CODE: AS NO REF SOV: 004 OTHER: 010

Cord 2/1 ✓

KHRUSTALEV, B. A.; RAYOV, A. M.; DMITRIEV, A. A.; KOLCHENDOVA, I. P.

"Investigation of radiation coefficients of heat-resistant materials."

report submitted for 2nd All-Union Conf on Heat & Mass Transfer, Minsk,
4-12 May 1964.

G. M. Krzhizhanovskiy Power Inst.

RAKOV, A.N. (Leningrad); SVECHNIKOV, V.A., professor, direktor; ZHDANOV, D.A.,
chief-korrespondent Akademii meditsinskikh nauk SSSR, direktor.

Arteriosclerosis of the pulmonary artery. Arkh.pat. 15 no.4:84-85 J1-4g '53.
(MIRA 6:11)

1. Gospital'naya terapevtskaya klinika Leningradskogo sanitarno-gigiyeni-
cheskogo meditsinskogo instituta (for Svechnikov and Rakov). 2. Leningrad-
skiy sanitarno-gigiyenicheskiy meditsinskiy institut (for Zhdanov). 3. Aka-
demiya meditsinskikh nauk SSSR (for Zhdanov).

(Arteriosclerosis) (Pulmonary artery)

L 25981-66 EWT(1) SCTB DD

ACC NR: AP6015095

SOURCE CODE: UR/0391/66/000/005/0050/0052

46
B

AUTHOR: Asanova, T. P. (Leningrad); Rakov, A. N. (Leningrad)

ORG: Institute of Industrial Hygiene and Occupational Diseases (Institut gigiyeny i profzabolevaniy)

TITLE: The health of workers exposed to 400—500 kv electric fields

SOURCE: Gigiyena truda i professional'nyye zabolevaniya, no. 5, 1966, 50-52

TOPIC TAGS: electric field, central nervous system, human physiology, cardiovascular system

ABSTRACT: Personnel working in two Volga hydroelectric stations (400—500 kv) were medically examined. The group consisted of 41 men and 4 women aged from 29 to 40 with lengths of service ranging from several months to over 5 years. The maximum exposure value was 230 μ amp and the mean value was 115—125 μ amp. It was found that 41 of the 45 subjects suffered some discomfort as a result of exposure to electric fields. Most prevalent among subjective complaints were headache, fatigability, weakness, and drowsiness (37 subjects). Other complaints included disrupted GI tract or cardiovascular activity. Neurological disruptions were unstable and usually most noticeable during the working day. As an example, headache intensity corresponded to the duration of exposure. In general, nervous system pathology was diagnosed in 28 subjects. In 26 of these, CNS disorders primarily took the form of autonomic

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UDC: 613.647

L 25981-66

ACC NR: AP6015095

dysfunction characterized by dermographism, pulse and arterial pressure lability, hyperhidrosis, and hand tremors. No relationship between length of service and nervous system pathology could be established. The most marked neurological disorders were noted in maintenance workers who experienced greater overall daily exposure to electric fields. An examination of internal organs revealed pathology in 18 subjects of a primarily cardiovascular nature (14 subjects). EKG tests showed sinus bradycardia in 14 subjects and decreased atrioventricular conductivity in 10. The lability observed in the pulse and arterial pressure, along with changes in EKG indexes, indicated disrupted central autonomic regulation. These symptoms were noted to be more noticeable in maintenance personnel systematically exposed to electric fields. Ophthalmological tests failed to reveal any pathology. Hematological tests showed frequent, moderate thrombocytopenia and neutrophile leukocytosis or leukopenia. Lymphocytosis and monocytosis were also observed. Changes in red blood were noted with less frequency but were marked by a tendency towards reticulopenia accompanied by moderate hemoglobin and reticulocyte decreases. Erythrocyte sedimentation rate was slowed (from 1 to 3 mm). Marked spherocytosis was observed in 17 of 28 subjects examined cytometrically. The study thus showed that the exposure of personnel to high-voltage electric fields has a generally deleterious effect. [CD]

SUB CODE: 06/ SUBM DATE: 06Jan64/ ATD PRESS: 4256

Card 2/2 Fw)

RAKOV, A.P.

Effectiveness of preparing the lap for combing by means of four-section machines. Izv. vys. ucheb. zav.; tekhn. tekst. prom. no.3:68-75 '59.
(MIRA 12:11)

1. Moskovskiy tekstil'nyy institut.
(Cotton spinning)

UDOVICH, A.V.; MAKOV, S.P.

Thermal rearrangement of complete presapporeva and ethers with
saturated radicals. Dokl. AN SSSR 161 no.6:1352-1355 Apr '65.
(MIRA 18:5)
1. Kazanskij gosudarstvennyj universitet im. V.I.Ulyanova-Lenina.
2. Chlen-korrespondent AN SSSR (for Putilovik).

BALYASOV, P.D.; BUDNIKOV, V.I., prof.; VANCHIKOV, A.N.; VLADIMIROV,
B.M.; KISELEV, A.K.; KONYUKOV, P.M.; RAKOV, A.P.; SMELOVA,
N.A.; EFROS, B.Ye.; ZOTIKOV, V.Ye., retsenzent; HELITSIN, N.M.,
retsenzent; KOSTIN, B.V., retsenzent; TERYUSHNOV, A.V., prof.,
red.; SOKOLOVA, V.Ye., red.; BATYREVA, G.G., tekhn. red.

[Cotton spinning] Priadenie khlopka. [By] P.D.Baliasov i dr.
Pod red. V.I.Budnikova, A.P.Rakova, A.V.Teriushnova. Moskva,
Rostekhizdat. Pt.2. 1963. 395 p. (MIRA 16:6)
(Cotton spinning)

RAKOV, Aleksandr Pavlovich.

Cotton spinning Odobreno v kachestve uchebnika dlis tekhnikumov tekstil'noi promyshl. Moskva, Gos. nauchnotekhn. izd-vo, 1953. 486 s. (54-29899)

1. Cotton spinning.

TS1577.R3

BALYASOV, P.D.; BUDNIKOV, V.I., prof.; VANCHIKOV, A.N.; VLADIMIROV,
B.M.; KISELEV, A.K.; KONTUKOV, P.M.; BAYIL, A.P., prof.;
SMELOVA, N.A.; EFROS, B.Ye.; ZOTIKOV, V.Ye., retsentent;
BELITSIN, N.M., retsentent; KOSTIN, B.V., retsentent;
TERYUSHNOV, A.V., prof., red.; SOKOLOVA, V.Ye., red.;
BATYREVA, G.G., tekhn. red.

[Cotton spinning] Priadenie khlopka. [By] P.D.Ballyasov i
dr. Moskva, Rostekhizdat. Pt.1. 1962. 433 p.
(MIRA 16:9)

(Cotton spinning)

RAKOV, Aleksandr Pavlovich, profesor; MILovidov, Nikolay Nikolayevich,
Inzhener; BULAKH, Aleksandr Vasil'yevich, Inzhener; TURSOV,
Ivan Ivanovich, inzhener; STASHEV, A.G., reteakrent; KELZVICH,
Ye.I., redaktor; MEDNIKOV, L.Ya., tekhnicheskiy redaktor

[Cotton spinning] Priesednie khlopkov. Izd. 2-oe, ispr. i dop.
Moskva, Gos. nauchno-tekhn. izd-vo M-vn legkoi promyshl. SSSR,
1957. 518 s. (MLR 10:10)
(Cotton spinning)

RAKOV, Aleksandr Pavlovich.

[Theory and practice of cotton combing] Teoriia i praktika
grebnechesaniiia khlopka. Moskva, Gos. nauch.-tekhn. izd-vo
tekst., legkoi i poligraf. promyshl.. 1946. 140 p. (MIRA 8:7)
(Cotton combing)

М. В. МАКОВ, П. Н. СИДОРОВ, И. В.

Физико-химические методы в волокноделии. Т. I. в. 2. Уфимск, УГУ, 1976.

v. Illus., Tables, Diagrams.

At head of v. 1: А. Р. Маков, Н. Н. Милovidov, А. В. Бокалев.

At head of v. 2: А. Р. Маков, Н. Н. Милovidов, Ю. Л. Гарсев.

Лит. час:

RAKOV, Aleksandr Pavlovich; MILOVIDOV, N.N.; BUKHALEV, A.V.; TARASOV, I.I.

[Cotton spinning] Priadenie khlopka. Moskva, Gos. nauchno-tehn. izd-vo Ministerstva promyshlennyykh tovarov shirokogo potrebleniia SSSR, 1953. 486 p.

(MLRA 7:3)

(Cotton spinning)

РУССИЯ, МОСКОВСКАЯ ОБЛАСТЬ, РЕГ.

Книжепечатадение. (Cotton Spinning) V Dvukh Chastyakh. Moscow,
СССР, 1916.

v. Illus., Tables, Diagrs.
At Head of v. 1: A. P. Rukov, N. N. Vilovidov, A. V. Sukholev.
At Head of v. 2: A. P. Rukov, N. N. Vilovidov, I. I. Tolasov.
Lib. Nas:

Sc: N/5
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.Fl

RAKOV, A. P.

Carding Machines

Importance of the forward blade of the hackling machine. Tekst. prom. no. 5, 1952

Monthly List of Russian Accessions. Library of Congress, August 1952. Unclassified

RAKOV, Anatoliy Vasil'yevich; CHISTYAKOV, Ivan Dmitriyevich; IVANOV-SKOB-LIKOV, P.V., inzh., red.; KUBNEVA, M.M., tekhn.red.

[Making silicalcite in the Kirov Plant in Leningrad] Opyt proizvodstva silikal'tsita na Kirovskom zavode v g.Leningrade. Leningrad, Leningr.dom nauchno-tekhn.propagandy. (Informatsionno-tehnicheskii listok, no.34-35. Stroitel'naia promyshlennost').
Pt.1. 1958. 18 p.
(Leningrad--Building materials) (MIRA 12:12)

RAKOV, A.V., inzh.

New silicalcite construction elements. Biul.tekh.inform.
po stroi. 5 no.10:20-21 O '59. (MIRA 13:3)
(Building materials)

BALULIN, P.A.; MIASNIKOVA, T.P.; RAKOV, A.V.

Studying the vibration spectra of certain ferroelectrics by the
Raman spectrum method. Fiz. tver. tela 5 no.7:1773-1790 Jl '63.
(MIRA 16:9)

1. Fizicheskiy institut imeni P.N.Lebedeva AN SSSR, Moskva.
(Ferroelectric crystals) (Raman effect)

RAKOV, A.V.

PRIKHOT'KO, A.F.

24(7) p.3 PHASE I BOOK EXPLORATION 507/1344

L'vov. Universitet

Materialy X Vsesoyuznogo novoshchaniya po spektroskopii. t. 1:
Molekul'arnaya spektroskopiya (Papers of the 10th All-Union
Conference on Spectroscopy. Vol. 1: Molecular Spectroscopy)
[L'vov] Izd-vo L'vovskogo universita, 1957. 499 p. 4,000 copies
printed. (Series: it's: Fizichnyy zbirnyk, vyp. 1/3/1)

Additional Sponsoring Agency: Akademiya nauk SSSR. Komissiya po
spektroskopii. Ed.: Jazer, S.L.; Tech. Ed.: Saranyuk, T.V.;
Editorial Board: Lavisterg, O.S., Academician (Resp. Ed., Deceased),
Neoporen, B.S., Doctor of Physical and Mathematical Sciences,
Fabelinskii, I.L., Doctor of Physical and Mathematical Sciences,
Fabrikant, V.A., Doctor of Physical and Mathematical Sciences,
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Candidate of Physical and Mathematical Sciences, Klimovskiy, L.K.,
Candidate of Physical and Mathematical Sciences, Millianchuk, V.S.,
Candidate of Physical and Mathematical Sciences, and Glauberman,
A. Ye., Candidate of Physical and Mathematical Sciences,

Card 1/30

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Card 16/30

L 1E385-63 EWT(1)/EWP(q)/EWT(m)/BDS/ES(s)-2 AFFTC/ASD/ESD-3/LJP(C)/SSD
ACCESSION NR: AP3003869 Pt-4 GG/RDW/JD S/0181/63/005/007/1783/1790

AUTHORS: Bazulin, P. A.; Myasnikova, T. P.; Rakov, A. V.

TITLE: Investigation of the vibrational spectra of some ferroelectric materials by combination scattering of light

SOURCE: Fizika tverdogo tela, v. 5, no. 7, 1963, 1783-1790

TOPIC TAGS: ferroelectricity, combination scattering, vibrational spectrum, ammonium, sulfate, selenate, Rb, Li, Na

ABSTRACT: The authors have obtained and studied the spectra of combination scattering in the ferroelectric compounds $(\text{NH}_4)_2\text{SO}_4$, NH_4HSO_4 , RbHSO_4 , $\text{LiH}_3(\text{SeO}_3)_2$, and $\text{NaH}_3(\text{SeO}_3)_2$ at room and lower temperatures near the point of phase transition. From these spectra they have measured the width and relative intensities of the bands and have discovered a dependence of band intensity on orientation of crystal for spectral excitation in natural and artificial light. In addition to the bands corresponding to internal vibration of the SO_4^{2-} ion, several "extraneous" bands were found in the spectra of sulfates and bisulfates. However, low-frequency vibrations declining in frequency at the Curie point were not observed. The authors

Card 1/2

L 18385-63

ACCESSION NR: AP3003869

conclude that their work makes possible reliable interpretations of the spectra of the investigated crystals in the frequency range of 300-1200 cm^{-1} . The study of temperature dependence near the phase transition has shown that the vibrational frequencies of the SO_4^{2-} and SeO_3^{2-} radicals change insignificantly with temperature. Orig. art. has: 2 figures and 8 tables.

ASSOCIATION: Fizicheskiy institut im. P. N. Lebedeva AN SSSR, Moscow (Physical Institute, Academy of Sciences, USSR)

SUBMITTED: 07Jan63

DATE ACQ: 15Aug63

ENCL: 00

SUB CODE: PH

NO REF SOV: 004

OTHER: .012

Card 2/2

L 61687-65 ENT(1)/EPA(s)-2/EIT(m)/EWP(i)/EEC(t)/T/EWP(t)/EEC(b)-2/EWP(b)/EHA(b)
Pz-6/Pt-7/Peb/Pi-4/P1-4 IJP(c) JD/GG/AT
ACCESSION NR. AP5011132 UR/0051/65/018/004/0717/0719
535.417 48
B

AUTHORS: Mal'kov, E. N.; Rakov, A. V.

TITLE: Interference method for the determination of the nucleation time of thin dielectric and semiconductor films and for the measurements of their thicknesses nm

SOURCE: Optika i spektroskopiya, v. 18, no. 4, 1965, 717-719

TOPIC TAGS: semiconductor film, thin film, dielectric film, nucleation time, film thickness, interference method

ABSTRACT: The authors have developed a method for the measurement of the nucleation time of a thin film, which is an important parameter describing the kinetics of the film formation. They have also developed a method for the measurement of film thickness considerably smaller than $\lambda/4n$ (λ -- wavelength, n -- refractive index). The methods are illustrated by Fig. 1 of the Enclosure and are based on the interference of light in thin films. It can be applied to dielectric and semiconducting layers obtained by

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vacuum evaporation into a transparent substrate. The method is essentially based on simultaneously depositing a layer on the exposed substrate, on the substrate covered with a mask, and on a previously deposited layer on the same substrate. A spectrophotometer is used to observe the three interference patterns corresponding to the three different parts of the film in transmitted or reflected light. The measurement of the wavelengths and orders of the corresponding interference fringe maxima. The results of the measurements of the nucleation time of amorphous dielectric Sb_2S_3 films on a substrate with $n = 1.5105$ are presented as an example. The accuracy with which the nucleation time and the thickness can be determined is about 10 per cent. Original article has: 1 figure, 3 formulas, and 1 table

ASSOCIATION: None

SUBMITTED: 06Jul64 ENCL: 01 SUB CODE: OP, EC

NR REF SOV: 004 OTHER: 002

Card 2/3

L 61687-65

ACCESSION NR: AP5011132

ENCLOSURE: 01

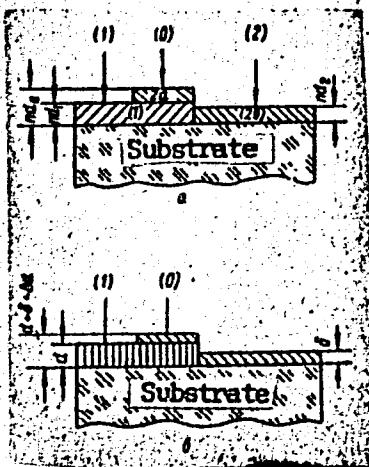


Fig. 1. Measurement of nucleation time
of thin films and of their thickness.

a - section through the stepped film used
to determine the nucleation time, b -
film used to determine the thickness.

Card 3/3

BAZHULIN, P.A.; MALYCHEV, V.I.; MARKIN, A.S.; RAKOV, A.V.; BAGDASAROV, Kh.S.

Luminescence and generation spectra of various CaF₂ crystals
containing U⁺³ ions. Opt. i spektr. 16 no.3:536-538 Mr '64.
(MIRA 17:4)

RAKOV, A.V.
USSR/Optics - Spectroscopy

K-6

Abs Jour : Referat Zhur - Fizika, No 5, 1957, 13022

Author : Bakhulin, P.A., Rakov, A.V.

Inst : Physics Institute, Academy of Sciences, USSR, Moscow.

Title : Investigation of the Width of Raman Lines at a Function of
the Aggregate State of the Substance.

Orig Pub : Dokl. AN SSSR, 1955, 105, No 1, 54-56

Abstract : A study was made of the width of the Raman lines in n-dichlorbenzol and in benzol in liquid and crystalline states. The Raman spectrum of benzol was taken at 18° for liquid phase and at -5° for the crystalline phase. The spectrum of n-dichlorbenzol for the liquid phase was taken at 65°, and that of the crystalline phase at 20°. A detailed description of the experimental procedure is given. When the substance is changed from liquid to the solid state,

Card 1/2

BAZHULIN, P.A.; NAKOV, A.V.; BAZHIMOV, R.A.

Low-frequency Raman spectrum of crystalline n-dichlorobenzene
at various temperatures. Opt. i-spektr. 16 no.6:1027-1030 Je '64.
(MIR 17:9)

RAKOV, A.V.

Temperature dependence of the band width of infrared
absorption spectra. Opt. i spektr. 13 no.3:369-373
S '62, (MIRA 15.9)
(Spectrum, Infrared)

RAKOV, A.V.

STRUCTURE AND PHYSICAL PROPERTIES OF MATTER IN A LIQUID STATE
reports read at the 4th Conference convened in KIYEV from 1 to 5 June
1959, published by the publisher House of KIYEV University, KIYEV,
USSR, 1962

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